

Cyhexatin -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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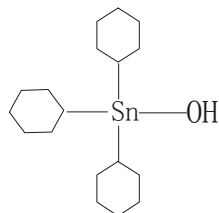
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1. Chemical Product Identification

Product Name: Cyhexatin

Molecular Formula:



Molecular Weight: 385.2

Chemical Name: Tricyclohexyltin Hydroxide

Empirical formula: C₁₈H₃₄OSn

Color: Crystal

Odor: Faint fragrance

CAS No.: 13121-70-5

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Tricyclohexyltin Hydroxide	13121-70-5	95.0
Other ingredients		5.0

3. Hazards Identification

Component	Sympol	R phrases
Tricyclohexyltin Hydroxide	T	R 36/3748

More important danger for the man: absorb plenty of the pesticide, may injury CNS

Dangers for the environment: be toxic to aquatic

Physical-chemical dangers: not applicable

4. First Aid Measures

Skin: wash with soap and water.

Eyes: flush with plenty of water for at least 15 minutes. See medical attention if irritation develops or persists.

Inhalation: move to fresh air. Do not breathe spray mist.

Ingestion: Call physician/poison control center immediately.

5. Fire-Fighting Measures

Extinguishing media

To be used: dry chemical, foam, carbon dioxide.

Don't use: not applicable

Particular risk: not applicable

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

6. Accidental Release Measures

Personal cautions: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: pick up for sweeping or aspiration avoiding the powder formation. Transfer to a properly labeled deposit that will be closed and sealed until the recovery of elimination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling And Storage

Handling: do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

Storage:

Technical protective measures: store in original container only in cool, dry, well-ventilated, secure area out of reach of children and animals.

Fire and explosion protection:

8. Exposure Controls / Personal Protection

STLE

TWA

Personal protective equipment: not applicable

Respiratory protection: not applicable

Protective gloves: not applicable

Eye protection: not applicable

Industrial hygiene: not applicable

9. Physical And Chemical Properties

Melting point: 195—198°C.

Density: not applicable

Bulk density: not applicable

Water solubility: is very insoluble in water.

Other solubilities: It is soluble in some organic solvents.

PH value: 5-7

Flash point: not applicable

Ignition temperature: not applicable

10. Stability and Reactivity

Conditions to avoid: acid and light

Products to avoid: acid pesticide

Thermal decomposition: 228°C

Hazardous decomposition products: not applicable

Hazardous reaction: not applicable

11. Toxicological Information

Contact with the skin: weakness, headaches, alivation, sweating, nausea

Contact with the eyes: eyes become red, blurred vision, nonreactive pinpoint pupils and pain.

Inhalation: weakness, headaches, tightness in the chest, abdominal cramps and salivation.

Ingestion: salivation, sweating, nausea, vomiting, diarrhea, abdominal cramps, and slurred speech.

Sharp toxicity: not applicable

Effects for chronic oxhibition

Sensisation: non-sensisative

12. Ecological And Ecotoxicological Information

Avian acute oral LD50: Approximately 250 mg to 400 mg technical cyhexatin/kg body weight for quail (moderately toxic).

Avian dietary LC50: 195 ppm for bobwhite quail (highly toxic).

Freshwater fish acute LC50: coldwater species (rainbow trout), 6 ppb for technical; warmwater species (bluegill), 4 ppb for technical.

Aquatic freshwater invertebrates toxicity: <<Daphnia.> 0.2 g/l

Additional data are required to fully characterize the ecological effects of cyhexatin.

Mechanism of pesticidal action: It is suspected that cyhexatin inhibits adenosine triphosphate (ATP) enzymes.

Metabolism and persistence in plants and animals: Available datasuggest that plant degradates of cyhexatin are translocated following root exposure; however, these data are insufficient to adequately characterize plant metabolism. Known animal metabolism is summarized above.

13. Disposal Considerations

Product: dispose of in compliance with all state and local haws and regulation.

14. Transport Information

Not applicable.

15. Regulatory Information

Not applicable.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.